

#10  
11/4/00

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/391,861DATE: 10/30/2000  
TIME: 14:29:32Input Set: I391861 NEW  
RECEIVEDThis Raw Listing contains the General Information  
Section and up to first 5 pages.

NOV 13 2000

TECH CENTER 1600/2900

1 <110> APPLICANT: Thomason, Arlen  
 2 Liu, Benxian  
 3 <120> TITLE OF INVENTION: Fibroblast Growth Factor-Like Polypeptides  
 4 <130> FILE REFERENCE: 99,371  
 5 <140> CURRENT APPLICATION NUMBER: US/09/391,861  
 6 <141> CURRENT FILING DATE: 1999-09-07  
 7 <160> NUMBER OF SEQ ID NOS: 41  
 8 <170> SOFTWARE: PatentIn Ver. 2.0  
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 19 acctgaggac ccgagccatt g atg gac tcg gac gag acc ggg ttc gag cac 171  
 20 Met Asp Ser Asp Glu Thr Gly Phe Glu His  
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 22 tca gga ctg tgg gtt tct gtg ctg gct ggt ctt ctg ctg gga gcc tgc 219  
 23 Ser Gly Leu Trp Val Ser Val Leu Ala Gly Leu Leu Leu Gly Ala Cys  
 24 15 20 25  
 25 cag gca cac ccc atc cct gac tcc agt cct ctc ctg caa ttc ggg ggc 267  
 26 Gln Ala His Pro Ile Pro Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly  
 27 30 35 40  
 28 caa gtc cgg cag cgg tac ctc tac aca gat gat gcc cag aca gaa 315  
 29 Gln Val Arg Gln Arg Tyr Leu Tyr Thr Asp Asp Ala Gln Gln Thr Glu  
 30 45 50 55  
 31 gcc cac ctg gag atc agg gag gat ggg acg gtc ggg ggc gct gac 363  
 32 Ala His Leu Glu Ile Arg Glu Asp Gly Thr Val Gly Gly Ala Ala Asp  
 33 60 65 70  
 34 cag agc ccc gaa agt ctc ctg cag ctg aaa gcc ttg aag ccg gga gtt 411  
 35 Gln Ser Pro Glu Ser Leu Leu Gln Leu Lys Ala Leu Lys Pro Gly Val  
 36 75 80 85 90  
 37 att caa atc ttg gga gtc aag aca tcc agg ttc ctg tgc cag cgg cca 459  
 38 Ile Gln Ile Leu Gly Val Lys Thr Ser Arg Phe Leu Cys Gln Arg Pro  
 39 95 100 105  
 40 gat ggg gcc ctg tat gga tcg ctc cac ttt gac cct gag gcc tgc agc 507  
 41 Asp Gly Ala Leu Tyr Gly Ser Leu His Phe Asp Pro Glu Ala Cys Ser  
 42 110 115 120  
 43 ttc cgg gag ctg ctt ctt gag gac gga tac aat gtt tac cag tcc gaa 555  
 Phe Arg Glu Leu Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu

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see p. 5

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 48 140 145 150  
 49 gac cct gca ccc cga gga cca gct cgc ttc ctg cca cta cca ggc ctg 651  
 50 Asp Pro Ala Pro Arg Gly Pro Ala Arg Phe Leu Pro Leu Pro Gly Leu  
 51 155 160 165 170  
 52 ccc ccc gca ccc ccg gag cca ccc gga atc ctg gcc ccc cag ccc ccc 699  
 53 Pro Pro Ala Pro Pro Glu Pro Pro Gly Ile Leu Ala Pro Gln Pro Pro  
 54 175 180 185  
 55 gat gtg ggc tcc tcg gac cct ctg agc atg gtg gga cct tcc cag ggc 747  
 56 Asp Val Gly Ser Ser Asp Pro Leu Ser Met Val Gly Pro Ser Gln Gly  
 57 190 195 200  
 58 cga agc ccc agc tac gct tcc tga agccagagggc tgtttactat gacatctcct 801  
 59 Arg Ser Pro Ser Tyr Ala Ser  
 60 205 210  
 61 ctttattttat tagtttattt atcttattta tttttttattt tttcttactt gagataataa 861  
 62 agagttccag aggaggataa gaatgagcat gtgtgagtgt ctgagggaaag acatggcagc 921  
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 77 Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly Gln Val Arg Gln Arg Tyr  
 78 35 40 45  
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 80 50 55 60  
 81 Glu Asp Gly Thr Val Gly Gly Ala Ala Asp Gln Ser Pro Glu Ser Leu  
 82 65 70 75 80  
 83 Leu Gln Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu Gly Val  
 84 85 90 95  
 85 Lys Thr Ser Arg Phe Leu Cys Gln Arg Pro Asp Gly Ala Leu Tyr Gly  
 86 100 105 110  
 87 Ser Leu His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu Leu Leu  
 88 115 120 125  
 89 Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His Gly Leu Pro Leu  
 90 130 135 140  
 91 His Leu Pro Gly Asn Lys Ser Pro His Arg Asp Pro Ala Pro Arg Gly  
 92 145 150 155 160  
 93 Pro Ala Arg Phe Leu Pro Leu Pro Gly Leu Pro Pro Ala Pro Pro Glu  
 94 165 170 175

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## RAW SEQUENCE LISTING

PATENT APPLICATION US/09/391,861

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 110 1 5 10 15  
 111 ctg ctg ctg gct gtc ttc ctg ctg ggg gtc tac caa gca tac ccc atc 96  
 112 Leu Leu Leu Ala Val Phe Leu Leu Gly Val Tyr Gln Ala Tyr Pro Ile  
 113 20 25 30  
 114 cct gac tcc agc ccc ctc ctc cag ttt ggg ggt caa gtc cgg cag agg 144  
 115 Pro Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly Gln Val Arg Gln Arg  
 116 35 40 45  
 117 tac ctc tac aca gat gac gac caa gac act gaa gcc cac ctg gag atc 192  
 118 Tyr Leu Tyr Thr Asp Asp Gln Asp Thr Glu Ala His Leu Glu Ile  
 119 50 55 60  
 120 agg gag gat gga aca gtg gta ggc gca gca cac cgc agt cca gaa agt 240  
 121 Arg Glu Asp Gly Thr Val Val Gly Ala Ala His Arg Ser Pro Glu Ser  
 122 65 70 75 80  
 123 ctc ctg gag ctc aaa gcc ttg aag cca ggg gtc att caa atc ctg ggt 288  
 124 Leu Leu Glu Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu Gly  
 125 85 90 95  
 126 gtc aaa gcc tct agg ttt ctt tgc caa cag cca gat gga gtc ctc tat 336  
 127 Val Lys Ala Ser Arg Phe Leu Cys Gln Gln Pro Asp Gly Ala Leu Tyr  
 128 100 105 110  
 129 gga tcg cct cac ttt gat cct gag gcc tgc agc ttc aga gaa ctg ctg 384  
 130 Gly Ser Pro His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu Leu  
 131 115 120 125  
 132 ctg gag gac ggt tac aat gtg tac cag tct gaa gcc cat ggc ctg ccc 432  
 133 Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His Gly Leu Pro  
 134 130 135 140  
 135 ctg cgt ctg cct cag aag gac tcc cca aac cag gat gca aca tcc tgg 480  
 136 Leu Arg Leu Pro Gln Lys Asp Ser Pro Asn Gln Asp Ala Thr Ser Trp  
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 139 Gly Pro Val Arg Phe Leu Pro Met Pro Gly Leu Leu His Glu Pro Gln  
 140 165 170 175  
 141 gac caa gca gga ttc ctg ccc cca gag ccc cca gat gtg ggc tcc tct 576  
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 143 180 185 190  
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160 35 40 45  
161 Tyr Leu Tyr Thr Asp Asp Asp Gln Asp Thr Glu Ala His Leu Glu Ile  
162 50 55 60  
163 Arg Glu Asp Gly Thr Val Val Gly Ala Ala His Arg Ser Pro Glu Ser  
164 65 70 75 80  
165 Leu Leu Glu Leu Lys Ala Leu Lys Pro Gly Val Ile Gln Ile Leu Gly  
166 85 90 95  
167 Val Lys Ala Ser Arg Phe Leu Cys Gln Gln Pro Asp Gly Ala Leu Tyr  
168 100 105 110  
169 Gly Ser Pro His Phe Asp Pro Glu Ala Cys Ser Phe Arg Glu Leu Leu  
170 115 120 125  
171 Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu Ala His Gly Leu Pro  
172 130 135 140  
173 Leu Arg Leu Pro Gln Lys Asp Ser Pro Asn Gln Asp Ala Thr Ser Trp  
174 145 150 155 160  
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176 165 170 175  
177 Asp Gln Ala Gly Phe Leu Pro Pro Glu Pro Pro Asp Val Gly Ser Ser  
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193 35 40 45  
194 Pro Glu Ser Leu Leu Gln Leu Lys Ala Leu Lys Pro Gly Val Ile Gln

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 199                   85                   90                   95  
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 201                   100                  105                  110  
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 203                   115                  120                  125  
 204 Ala Pro Arg Gly Pro Ala Arg Phe Leu Pro Leu Pro Gly Leu Pro Pro  
 205                   130                  135                  140  
 206 Ala Pro Pro Glu Pro Pro Gly Ile Leu Ala Pro Gln Pro Pro Asp Val  
 207                   145                  150                  155                  160  
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 220                   20                  25                  30  
 221 Leu Glu Ile Arg Glu Asp Gly Thr Val Val Gly Ala Ala His Arg Ser  
 222                   35                  40                  45  
 223 Pro Glu Ser Leu Leu Glu Leu Lys Ala Leu Lys Pro Gly Val Ile Gln  
 224                   50                  55                  60  
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 226                   65                  70                  75                  80  
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 228                   85                  90                  95  
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 230                   100                105                110  
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 234                   130                135                140  
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 243 <212> TYPE: DNA  
 244 <213> ORGANISM: Mus musculus

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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**VERIFICATION SUMMARY**  
PATENT APPLICATION US/09/391,861

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| Line ? Error/Warning                      | Original Text                               |
|---|---|
| 60 W Invalid/Missing Amino Acid Numbering | 205   |
| 939 W "N" or "Xaa" used: Feature required | 210<br>ggaaggaaaa aagcggccgc aacannnnnn nnn |